

U.S. Bureau of Reclamation
Emergency Condition Notification Form

Date: Wednesday, July 27, 2011 - Update

Time: 3:00 PM (MDT)

Facility Affected: Tiber Dam

River(s) Affected: Marias River

Organizations Receiving this Notification:

Liberty County Dispatch 24-hour Warning Point
Hill County Dispatch 24-hour Warning Point
Chouteau County Dispatch 24-hour Warning Point
Toole County Dispatch 24-hour Warning Point
Blaine County Dispatch 24-hour Warning Point
Fergus County Dispatch 24-hour Warning Point
Phillips County Dispatch 24-hour Warning Point
Petroleum County Dispatch 24-hour Warning Point
Montana State Disaster and Emergency Services – Helena
National Weather Service Forecaster in Great Falls

1. Condition Description

The Corp of Engineers has requested that Reclamation utilize exclusive flood control storage at Tiber Dam to assist with downstream flooding. Tiber Reservoir/Lake Elwell peaked at a new historic high elevation of about 3011.42 feet on July 19, 2011. While there is still potential for the reservoir to exceed this elevation should a local storm event occur, inflows are receding and the reservoir has started to draft. However, it is anticipated that the reservoir will remain in the exclusive flood control pool for several more weeks.

Current Conditions – Tiber Dam and Marias River:

- Elevation = 3010.64 (17.64 feet into flood control pool, 89.5% of flood control space utilized)
- Storage = 1,286,322 acre-feet
- Inflow = 1,000 cfs (24-hr average)
- Discharge to the Marias River = 2,800 cfs

In accordance with the Tiber Dam Emergency Action Plan (EAP), reservoir elevations in excess of 2996.0 place Tiber Dam at an elevated response level requiring notifications to downstream authorities and affected agencies. **This is only a result of reservoir elevations exceeding 2996.0. There are no dam safety related conditions or concerns with Tiber Dam.**

2. Potential River Levels and Times of Arrival

Under coordination with the U. S. Army Corps of Engineers, releases from Tiber Dam are being maintained at approximately 2,800 cfs.

Marias River Location
Loma

Approximate Travel Time
12-15 hours

3. Actions Taken by Reclamation

Reclamation continues to monitor river levels both upstream and downstream of Lake Elwell, as well at conditions at Tiber Dam and will issue further notifications as conditions warrant.

4. Actions Expected of Downstream Agencies

Downstream agencies should take these reservoir levels and flows into account combined with existing downstream tributary flows entering the Marias River when determining potential actions.

5. For Additional Information

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6. Media Inquiries:

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